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## LINDSEY ANN STASZAK

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### **EDUCATION**

#### **M.M.R. / Marine Resources Management**

Texas A&M University at Galveston, Galveston, TX - August 2010

Thesis: A Rapid Assessment Method Examining the Ecological Health of Tidal Marine Wetlands in Galveston Bay, TX (Prof. A. R. Armitage)

#### **B.S. / Biology, Minor / Chemistry**

University of North Carolina-Wilmington, Wilmington, NC - May 2008

Honors Thesis: Latitudinal Range Limits of Mytilus Blue Mussel Species and Hybrids: Results from Translocation Experiments (Prof. M. A. McCartney)

### **RESEARCH & TEACHING EXPERIENCE**

2012- Present **Tetra Tech, Inc.**, Arlington, VA

Marine Biologist. Conducted marine and terrestrial field projects for various entities to include wetland delineations, fishery surveys, biological and soil assessments and reports. Aided in the composition of natural resource EIS/EA documents for government and private agencies, to meet NEPA approved compliance requirements. Inspected pipeline construction and restoration projects to meet FERC requirements.

2010–2011 **Ducks Unlimited Inc.**, Annapolis, MD

Conservation Specialist. Worked to accomplish the habitat goals of DU by identifying, contacting, and providing technical assistance to landowners. Assist in the priority focus to secure perpetual easements and land acquisitions. Support biologists in biological inventories and habitat assessments of coastal and freshwater wetlands, conduct topographical surveys and engineering designs, assist in grant writing, permit applications, and reporting. Provide office staff with GIS mapping and GPS data projection services, attend meetings, forums, and related symposia, as well as conduct public presentations and outreach.

2010–2010 **Texas Parks and Wildlife Department**, Dickinson, TX

Coastal Fisheries Intern. Experience working in fisheries management. Assisted Texas Parks & Wildlife Department, Coastal Fisheries Division staff in conducting fishery independent and fishery dependent sampling in the Texas coastal ecosystems, including state waters of the Gulf of Mexico. Conduct education outreach programs to local community organizations. Sampling techniques include: gill netting, trawls, oyster dredges, long-lining, fisheries surveys, seining, and resource management.

2009-2010 **Department of Marine Science, Texas A&M University-Galveston**, Galveston, TX  
Research Assistant. Modification of a rapid assessment model to determine ecological health of natural and restored wetlands along Galveston Bay, TX. Analyses performed created a scoring criteria for each parameter tested, providing an overall score of ecological health for individual wetlands tested. Resulted in a quantitative evaluation of wetland mitigation success around Galveston Bay, TX. Investigated the outcome of mitigated/restore wetlands scores to natural reference wetland scores.

2008-2010 **Department of Marine Science, Texas A&M University-Galveston, Galveston, TX**  
Teaching Assistant. Facilitated active learning in general chemistry labs. Assisted in development of curriculum and electronic learning capabilities. Prepared laboratories, equipment, and chemicals as necessary. Administer safety lectures and promote safe handling of chemicals.

Summer 2008 **Marine Conservation Crew Leader, Student Conservation Association,**  
Point Reyes, CA  
Crew Leader. Led high school students in the assessment of flow rates on the survivorship of native oysters (Olympia) through advice, skills, and teaching methods. Improved and conserved wildlife habitats. Mentor students in structuring a final crew report and presentation. Conducted invasive removal of various animals and plants throughout the national park, as well as assisted park staff in the rescue of leopard sharks and bat rays, following a levee break. Developed and maintained a budget.

2006-2008 **Department of Marine Biology, University of North Carolina Wilmington,**  
Wilmington, NC  
Research Assistant. Studied the effects of latitudinal and tidal ranges on transplanted blue mussels' to determine the effect on survival. Individuals were genetically tested via extraction, purification, isolation, and electrophoresis for species specific gene indicators and determined hybridization characteristics. Investigated if translocation encouraged or hindered shell growth of the pure and hybridized individuals.  
\*Preliminary research data was accepted by the National Science Foundation (NSF) for 2010 grant funding.

2006-2007 **Figure Eight Island Sea Turtle Researcher**  
Figure Eight Island, NC  
Sea Turtle Researcher Surveyed and scanned the beach for possible sea turtle nest and reported: time, date, GPS location, and any abnormalities or other necessary information and assisted in marking observed nesting sites. Monitored frequency of nesting habitats and conducted general beach surveys to monitor erosion rate. Assisted in transplantation of nests in hazardous areas. Completed general maintenance and care of all terrain vehicles (ATV).

2005-2006 **Aquarium Volunteer Educator, North Carolina Aquarium at Fort Fisher**  
Fort Fisher, NC  
Educator. Served as a Marine Life instructor providing information to visitors on marine conservation exhibits, aided with animal handling, assisted at events and education programs, and monitored/maintained sea turtle exhibits.

### **CERTIFICATIONS / QUALIFICATIONS**

- FERC Inspector Course (2011)
- Renewed CPR/First Aid (2010)
- Texas Parks and Wildlife Boaters Safety course (2008)
- NAUI Rescue Diver (2009)
- Advanced NAUI Scuba Diver (2009)

## **PUBLICATIONS**

**Staszak, L.** and Armitage, A. *Evaluating salt marsh restoration success with an index of ecosystem integrity*. Manuscript in review. (2012).

**Staszak, L.** *A Rapid Assessment Method Examining the Ecological Health of Galveston Bay Wetlands*. Texas A&M University. (2010).

**Staszak, L.** *Latitudinal Range Limits of Mytilus Blue Mussel Species and Hybrids: Results from Translocation Experiments*. University of North Carolina Wilmington. (2008).

## **SELECTED PRESENTATIONS**

Texas A&M University Student Research Symposium, Poster Presentation, April 2010. Galveston, TX. “*A Modified Rapid Assessment Method Examining the Ecological Health of Galveston Bay, TX Wetlands.*”

Environmental Considerations and Innovations Conference (ECIC), Oral Presentation, February, 2010. Texas Association of Environmental Professionals, Houston, TX. “*A Modified Rapid Assessment Method Examining the Ecological Health of Galveston Bay, TX Wetlands.*”

Benthic Ecology Meeting (BEM), Oral Presentation, March 2010. Wilmington, NC. “*GALV-RAM, A Modified Rapid Assessment Method Examining the Ecological Health of Galveston Bay, TX Wetlands.*”

Texas A&M University Student Research Symposium, Poster Presentation, April 2009. Galveston, TX. “*A Comparison Study of Coastal Zone Management Strategies of Galveston Island, Texas and Puerto Rico.*”